

## ABSTRACT OF THE DISCLOSURE

## PROCESS AND APPARATUS FOR CALIBRATION OF A RADIOLOGICAL IMAGING DEVICE

In the field of medical imaging minimizing the number of acquisitions required to calibrate a radiological device. Calibration of the radiological imaging device is provided by moving the device with respect to a calibration object and performing a series of acquisitions, each acquisition being associated to a calibration position of the device. Based on the acquisitions performed, determining the projection parameters associated to each calibration position of the device. For an additional position that has not been taken by the device during the acquisition, determining the projection parameter values associated to this additional position according to the parameters associated to the calibration positions.